

REMARKS

Claims 7-12 have been added. Claims 1, 7-12 remain pending.

Claim 1 stands rejected under 35 U.S.C. 103(a) as being unpatentable over Jeong in view of Rasmussen.

The rejection is respectfully traversed. With respect to claim 1, Jeong recognizes the narrow tuning range problem associated with the LC oscillator (Jeong, 1:46-49) and does not teach oscillators that are LC tank oscillators. Thus, Jeong appears to teach away from using LC tank oscillators. Applicant believes that there is not enough suggestion or motivation to combine the oscillators taught by Jeong with the LC tank oscillators taught by Rasmussen. Claim 1 is therefore believed to be allowable.

New claims 7-12 are added. With respect to claim 7, neither Jeong nor Rasmussen teach or suggest, either singly or in combination, a cascaded voltage controlled oscillator wherein "the phase relationship of signals being fed to the first oscillator stage first input and the first oscillator stage second input is such that the total input to the first oscillator is enhanced."

Claims 8-11 depend from claim 7 and are therefore believed to be allowable.

Claim 12 depends from claim 1 and is therefore believed to be allowable. In addition, neither Jeong nor Rasmussen, either separately or in combination, teach or suggest a voltage controlled oscillator wherein "the first oscillator stage first input includes a first oscillator stage first positive input and a first oscillator stage first negative input; the fourth oscillator stage output includes a fourth oscillator stage positive output and a forth oscillator stage negative output; and the fourth oscillator stage positive output is fed to the first oscillator stage first

negative input and the fourth oscillator stage negative output is fed to the first oscillator stage first positive input", as recited in claim 12. Therefore, claim 12 is believed to be allowable.

Reconsideration of the application and allowance of all claims are respectfully requested based on the preceding remarks. If at any time the Examiner believes that an interview would be helpful, please contact the undersigned.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Diana Y. Fu', with a stylized flourish extending to the right.

Diana Y. Fu
Registration No. 52924
V 408-973-2593
F 408-973-2595

VAN PELT AND YI, LLP
10050 N. Foothill Blvd., Suite 200
Cupertino, CA 95014